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ABSTRACT

*1. In a* A solution of one or two molecules of aminoguanidine or other hydrazine type compound incubated with an Amadori product (1-propylamine-1-deoxy-D-fructose) under *2. In a* physiological conditions, ~~proceeds~~ through the reactive 5 intermediate 1-propylamino-1, 4-dideoxyosone to form the corresponding triazine and the dehydrazone of 1,4-dideoxyglucosone, respectively.

10 The triazine and dehydrazone products are useful as macrophage stimulants to activate a macrophage to effect removal of advanced glycosylation endproducts (AGEs). Additionally, they can be used in a variety of investigative methods in an effort to measure the extent of nonenzymatic glycosylation of a protein sample wherein 15 aminoguanidine or other hydrazine-type compound is or was present during the glycosylation process.